

IN THE CLAIMS:

The status of each claim that has been introduced in the above-referenced application is identified in the ensuing listing of the claims. This listing of the claims replaces all previously submitted claims listings.

1. (Original) A programmed material consolidation system, comprising:
a plurality of fabrication sites; and
at least one common component useful with more than one of the plurality of fabrication sites.
2. (Original) The programmed material consolidation system of claim 1, wherein
the at least one common component comprises a material consolidation system.
3. (Original) The programmed material consolidation system of claim 2, wherein
the material consolidation system comprises a location control element.
4. (Original) The programmed material consolidation system of claim 3, wherein
the location control element is configured to direct consolidating energy to a selected fabrication site.
5. (Original) The programmed material consolidation system of claim 3, wherein
the location control element comprises a plurality of galvanometers.
6. (Original) The programmed material consolidation system of claim 3, further
comprising:
a plurality of mirrors positioned to direct consolidating energy from the material consolidation system toward each fabrication site associated therewith, each mirror of the plurality of mirrors being located within a range of movement of the location control element.

7. (Original) The programmed material consolidation system of claim 1, wherein the at least one common component comprises a cleaning component for removing unconsolidated material from fabricated objects or fabrication substrates that carry fabricated objects.

8. (Original) The programmed material consolidation system of claim 1, wherein the at least one common component comprises a substrate handling system associated with more than one of the plurality of fabrication sites.

9. (Original) The programmable material consolidation system of claim 8, wherein the substrate handling system comprises a rotary feed system.

10. (Original) The programmable material consolidation system of claim 8, wherein the substrate handling system comprises a linear feed system.

11. (Previously presented) The programmable material consolidation system of claim 8, wherein the substrate handling system is configured to introduce one or more substrates into each of the plurality of fabrication sites.

12. (Original) The programmable material consolidation system of claim 8, further comprising:
a cleaning component.

13. (Previously presented) The programmable material consolidation system of claim 12, wherein the substrate handling system is configured to transport one or more substrates having at least one feature fabricated thereon from a fabrication site of the plurality of fabrication sites to the cleaning component.

14. (Original) The programmable material consolidation system of claim 13, wherein the substrate handling system is configured to transport substrates from each of the plurality of fabrication sites to the cleaning component.

15. (Original) The programmable material consolidation system of claim 14, further comprising:

at least one processing element for controlling operation of the substrate handling system.

16. (Original) The programmable material consolidation system of claim 15, wherein the at least one processing element is configured to orchestrate movement of substrates from the plurality of fabrication sites to the cleaning component.

17-22 (Canceled)

23. (New) A programmed material consolidation system, comprising:
means for selectively directing consolidating energy toward at least two distinct fabrication sites of a programmed material consolidation system to consolidate previously unconsolidated material at each of the at least two distinct fabrication sites..

24. (New) The programmed material consolidation method of claim 23, wherein the means for selectively directing is configured to direct the consolidating energy toward at least one substrate at at least one of the at least two distinct fabrication sites.

25. (New) The programmed material consolidation method of claim 24, further comprising:
means for removing the at least one substrate from a first fabrication site of the at least two fabrication sites as consolidating energy is directed toward a second fabrication site of the at least two fabrication sites.

26. (New) The programmed material consolidation method of claim 25, further comprising:

means for placing another substrate at the first fabrication site following the removing.

27. (New) The programmed material consolidation method of claim 26, wherein the means for selectively directing is configured to redirect consolidating energy toward the first fabrication site after consolidating energy has been directed toward the second fabrication site and after placement of the another substrate in the first fabrication site.

28. (New) The programmed material consolidation method of claim 23, wherein the means for selectively directing consolidating energy comprises means for selectively directing a beam of ultraviolet radiation.